

Heather Shirley Smith Deputy General Counsel

Duke Energy 40 W. Broad Street Suite 690 Greenville, SC 29601

o: 864.370.5045 f: 864.370.5183 heather.smith@duke-energy.com

January 18, 2019

The Honorable Jocelyn G. Boyd Chief Clerk/Administrator The Public Service Commission of South Carolina 101 Executive Center Drive, Suite 100 Columbia SC 29210

Re: Application of Duke Energy Carolinas, LLC for Adjustments in Electric

Rate Schedules and Tariffs and Request for Accounting Order

Docket No.: 2018-319-E

Dear Mrs. Boyd:

Enclosed for filing please find copies of Duke Energy Carolinas LLC's Errata to the Application and Direct Testimony of Jon F. Kerin and Christopher M. Fallon. This filing includes 1) an Errata detailing the changes to the testimony; and 2) replacement pages of the corrected testimony for ease of the Commission, the Office of Regulatory Staff and other parties.

Please do not hesitate to contact me if you have any questions or require any further information.

Sincerely,

Heather Snirley Smith

Heather Shirley Smith

Enclosure

cc: Nanette Edwards, Esq., Office of Regulatory Staff
Dawn Hipp, Office of Regulatory Staff
Jeffrey M. Nelson, Esq., Office of Regulatory Staff
Ms. Carri Grube Lybarker, Esq., SC Department of Consumer Affairs
Ms. L. Becky Dover, Esq., SC Department of Consumer Affairs
Service List

BEFORE THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA

DOCKET NO. 2018-319-E

In the Matter of:)	
)	APPLICATION OF DUKE ENERGY
Application of Duke Energy Carolinas,)	CAROLINAS, LLC FOR
LLC for Adjustments in Electric Rate)	ADJUSTMENTS IN ELECTRIC
Schedules and Tariffs)	RATE SCHEDULES AND TARIFFS
)	AND REQUEST FOR AN
)	ACCOUNTING ORDER

increasing the rate schedules as follows: 12.1 percent for the residential class, 8.8 percent for the general service/lighting class, and 4.1 percent for the industrial class. The different percentage increases for customer classes reflect the allocation of the rate increase based on the overall rate of return. The Company proposes to modify certain rate schedules to reflect more accurately the cost of service and to consolidate and cancel certain rate schedules.

- 50. The rates set forth in **Exhibit A** are unjust and unreasonable because they do not allow the Company the opportunity to earn a fair rate of return. In Order No. 2013-661, the rates were set based on a 10.2 percent return on common equity. The overall rate of return on rate base was set at 7.89 percent. During the twelve month period ended December 31, 2017, as adjusted for known changes, the rate of return on South Carolina retail rate base, as shown on **Exhibit D**, was only 4.64 percent.
 - 51. The exhibits attached to this Application are as follows:
 - Exhibit A. The schedule of the Company's electric rates and charges in effect and on file with the Commission at the time of filing this Application, which the Company seeks to increase.
 - **Exhibit B.** The schedules of electric rates and charges the Company proposes to put into effect on June 1, 2019.
 - **Exhibit C**. Current tariffs highlighting all changes requested in the proposed schedules.
 - **Exhibit D**. The financial data for the 12-month period ended December 31, 2017 filed in compliance with 26 S.C. Code Ann. Regs. 103-823.
 - Exhibit E. The schedules of Phase 1 and Phase 2 rate changes to reflect rate changes to recover known and measurable costs being incurred for the proposed Grid Improvement Plan.

DE Carolinas proposes that all accounting and pro forma adjustments set forth in the attached exhibits be adopted in this proceeding for ratemaking and reporting purposes.

BEFORE THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA

DOCKET NO. 2018-319-E

In the Matter of:)	
)	DIRECT TESTIMONY OF
Application of Duke Energy Carolinas, LLC)	CHRISTOPHER M. FALLON
For Adjustments in Electric Rate Schedules and)	FOR DUKE ENERGY
Tariffs)	CAROLINAS, LLC

Catagory of Cart	Dallana Evman 3 - 3
Category of Cost	Dollars Expended through 09/30/18 on System-Wide Basis*
COLA Preparation	\$25 Million
NRC Review and Hearing Fees	\$110 Million
Land and Right-of-Way Purchases	\$44 Million
Pre-construction and Site Preparation	\$48 Million
Supply Chain, Construction Planning, and Detailed Engineering	\$53 Million
Operational Planning	\$5 Million
Post COL	\$2 Million
Allocate [†]	\$23 Million
AFUDC	\$248 Million
Total	\$559 Million

^{*}Details may not add to total due to rounding. The South Carolina allocable share is approximately 24 percent. †Includes \$638,479 for COL maintenance and project closeout in 2017-18.

- 1 Company witness Kim H. Smith describes the rate treatment, including the
- 2 proposed amortization schedule, in her direct testimony filed in this case.

3 Q. PLEASE DESCRIBE THE COSTS INCURRED AS PART OF THE

4 COLA PREPARATION CATEGORY.

- 5 A. This category includes costs related to DE Carolinas labor, expenses and
- 6 contract support for preparation of the COLA tendered to the NRC on
- December 13, 2007. The NRC determined the application was suitable for
- 8 review and docketed the application on February 25, 2008.

BEFORE THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA

DOCKET NO. 2018-319-E

IN THE MATTER OF:

Application of Duke Energy Carolinas, LLC)	DIRECT TESTIMONY OF
For Adjustments in Electric Rate Schedules)	JON F. KERIN
and Tariffs)	FOR DUKE ENERGY
)	CAROLINAS, LLC

1 Q. HAVE YOU EVER TESTIFIED BEFORE A REGULATORY BODY?

2 A. Yes. I filed direct testimony regarding CCR issues in Duke Energy Progress, 3 LLC's ("DE Progress") rate case in South Carolina in Docket 2016-227-E and appeared before the Public Service Commission of South Carolina in October 4 5 2016 in connection with that case. I also filed direct and rebuttal testimony 6 regarding CCR issues in DE Progress' and DE Carolinas' recent North Carolina 7 rate cases in Docket Nos. E-2, Sub 1142 and E-7, Sub 1146, respectively, and testified before the North Carolina Utilities Commission in connection with those 8 9 cases.

10 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

11 DE Carolinas is seeking recovery of CCR expenses incurred from January 2015 A. 12 through September 2018 and estimated costs to be incurred October 2018 through 13 December 2018 related to compliance with applicable regulatory requirements. 14 The purpose of my testimony is to explain those regulatory requirements and to 15 explain how our compliance actions and decisions, including our current plans to 16 meet existing legal requirements, have been and continue to be reasonable, 17 prudent, and cost-effective approaches to comply with those regulatory 18 requirements.

Q. PLEASE BRIEFLY SUMMARIZE YOUR TESTIMONY.

20 A. DE Carolinas has become subject to both federal and state regulatory 21 requirements that mandate closure of its ash basins and other ash storage areas. 22 Since the early 1900s, DE Carolinas has disposed of CCR in compliance with 23 then-current regulatory requirements and industry practices. Until the 1950s,

19

Accordingly, the Company is requesting recovery of the incremental compliance costs related to coal ash pond closures incurred starting January 2015 through September 2018 and expected compliance costs from October 2018 through December 2018 as explained in more detail by Company Witness Smith. My testimony and exhibits demonstrate that both these incurred and expected compliance costs are reasonable, prudent, and cost-effective given the individual facts and circumstances at each power plant and ash basin site at issue.²

Q. HOW IS YOUR TESTIMONY ORGANIZED?

A.

In this Section I, I have provided information concerning my background and the purpose of my testimony. In Section II, I provide an overview of the generation resources, including coal-fired generation, that the Company has used to reliably and efficiently serve customers for over 100 years of its existence. I explain that CCR are the natural byproduct of burning coal to generate electricity. I discuss the Company's past practices for the storage and disposal of CCR, and I explain that its practices have been in accordance with the electric power industry's prudent standards and applicable laws, regulations, and permit requirements as they have existed over time. In Section III, I discuss the new requirements imposed on the Company under the new CCR compliance requirements. In Section IV, I discuss the Company's plans to comply with the CCR compliance requirements, the required regulatory approvals and permits for DE Carolinas' compliance plans, including timing and implementation issues, and costs incurred to date and expected over the next several years. I also explain and demonstrate

² This case excludes any fines or penalties incurred by DE Carolinas related to ash basin closure or management.

1		how each of the Company's historical and ongoing CCR compliance costs are
2		reasonable, prudent, and cost-effective given the individual facts and
3		circumstances at each power plant and ash basin site at issue.
4	Q.	ARE YOU PROVIDING ANY EXHIBITS WITH YOUR TESTIMONY?
5	A.	Yes, I have attached 10 total exhibits, described below, as well as an appendix:
6		Kerin Exhibit 1: Statutes and Regulations (listing of relevant coal ash
7		environmental regulations);
8		Kerin Exhibit 2: CCR Rule (text of the Federal CCR Rule);
9		Kerin Exhibit 3: Site Locations NC and SC (map of coal ash facilities);
10		Kerin Exhibit 4: Site Facts (site-specific background information);
11		Kerin Exhibit 5: Ash Basin Information (site-specific information about ash units)
12		Kerin Exhibit 6: Responses to Rule Changes Through the Decades DEC
13		(summary of DE Carolinas' compliance with evolving environmental
14		regulations);
15		Kerin Revised Exhibit 7: Beneficiation Year 2015 thru September 2018 (summary
16		of beneficiation at DE Carolinas Sites);
17		Kerin Exhibit 8: Graphics Cap-in-Place and Landfill (graphical depiction of cap-
18		in-place and landfill closure methodologies);
19		Kerin Exhibit 9: Closure Plans (site-specific closure plans and engineering
20		reports); and
21		Kerin Revised Exhibit 10: Components of 2016-2018 Recovery Reques
22		(summary of costs and regulatory drivers relevant to DE Carolinas' application).

settling, and/or retention functions for other power plant process water flows, such as low volume wastewater, coal pile run-off, landfill leachate, and FGD wastewater. Additionally, all plant discharges will be rerouted away from ash basins at retired and active sites.

DE Carolinas has also historically pursued opportunities to sell ash for beneficial reuse and will continue to do so as feasible. As the regulatory requirements for ash reuse tightened, the Company limited its sale of ash to situations in which compliance could be carefully monitored and to encapsulated uses.

In summary, beyond the storage of fly ash and/or bottom ash, the operation of ash basins has historically evolved to accept new CCR flows resulting from FGD modifications required to address air emissions and also to accept other non-CCR process flows, such as coal pile run-off and low volume wastewater. The construction and use of the ash basins is the final step in the generation process that has resulted in reliable, efficient, coal-fired electricity in the Carolinas for many decades.

Q. IS THERE ANY FUTURE FOR BENEFICIAL REUSE OF CCRs?

Yes. As referenced above, Duke Energy has endeavored across its coal-fired generating fleet to maximize the beneficial use of production ash and to reclaim, where possible, stored ash for sale for beneficial use. Ash beneficiation for DE Carolinas began in 1986/1987 at Belews Creek, selling ash for the cement industry. From January 2016 through September 2018, 38 percent of the DE Carolinas fleet production ash, or approximately 941,000 tons, was sold for

Α.

Q. HAS THE COMPANY IDENTIFIED ANY COSTS THAT IT WILL NOT BE SEEKING FROM SOUTH CAROLINA CUSTOMERS?

- A. Yes. The Company will not be seeking from South Carolina customers certain costs that are associated with the provision of drinking water to North Carolina residents. These costs include the provision of bottled water and permanent drinking water supplies, *e.g.*, connection to a public water supply or filtration systems. The Company has decided to absorb the share of these costs that the North Carolina Utilities Commission ordered should be allocated to South Carolina.
- 10 Q. HOW, IF AT ALL, DO THE COMPANY'S HISTORICAL CCR
 11 PRACTICES IMPACT THE COMPLIANCE COSTS THAT DE
 12 CAROLINAS IS SEEKING IN THIS PROCEEDING?
- 13 A. They do not affect them at all. I make clear in prior sections of my testimony that
 14 DE Carolinas' historical handling of CCRs was reasonable, prudent, and
 15 consistent with industry standards over time. These facts are important to show
 16 that nothing that DE Carolinas has done historically is causing the Company to
 17 incur any unjustified costs today to comply with coal ash regulatory requirements.
- 18 Q. REGARDING THE ASH POND CLOSURE COSTS ALREADY

 19 INCURRED OR EXPECTED TO BE INCURRED PRIOR TO DECEMBER

 20 2018, WHAT DO THOSE COSTS COMPRISE AND WHY ARE THEY

 21 REASONABLE AND PRUDENT COSTS?
- 22 A. In Kerin Revised Exhibit 10, I have broken these costs down into their core 23 components and have described the plants to which these costs apply. In detailing

Duke Energy Corporation Summary of Ash Beneficiation for Duke Energy Carolinas 2015, 2016, 2017 and 2018 January to September

2015	DEC
Ash Produced	973,264
Production Ash Reused	375,934
Ash Sluiced	135,912
Ash Landfilled	781,320
Ash to Structural Fill	-
Reclaimed Ash for Beneficial Reuse	•
2016	DEC
Ash Produced	945,854
Production Ash Reused	362,050
Ash Sluiced	156,584
Ash Landfilled	748,803
Ash to Structural Fill	20,997
Reclaimed Ash for Beneficial Reuse	-
2017	DEC
2017 Ash Produced	DEC 895,849
Ash Produced	895,849
Ash Produced Production Ash Reused	895,849 346,900
Ash Produced Production Ash Reused Ash Sluiced	895,849 346,900 96,081
Ash Produced Production Ash Reused Ash Sluiced Ash Landfilled	895,849 346,900 96,081
Ash Produced Production Ash Reused Ash Sluiced Ash Landfilled Ash to Structural Fill	895,849 346,900 96,081
Ash Produced Production Ash Reused Ash Sluiced Ash Landfilled Ash to Structural Fill Reclaimed Ash for Beneficial Reuse	895,849 346,900 96,081 720,772 -
Ash Produced Production Ash Reused Ash Sluiced Ash Landfilled Ash to Structural Fill Reclaimed Ash for Beneficial Reuse 2018	895,849 346,900 96,081 720,772 - - DEC
Ash Produced Production Ash Reused Ash Sluiced Ash Landfilled Ash to Structural Fill Reclaimed Ash for Beneficial Reuse 2018 Ash Produced	895,849 346,900 96,081 720,772 - - DEC 639,714
Ash Produced Production Ash Reused Ash Sluiced Ash Landfilled Ash to Structural Fill Reclaimed Ash for Beneficial Reuse 2018 Ash Produced Production Ash Reused	895,849 346,900 96,081 720,772 DEC 639,714 208,604
Ash Produced Production Ash Reused Ash Sluiced Ash Landfilled Ash to Structural Fill Reclaimed Ash for Beneficial Reuse 2018 Ash Produced Production Ash Reused Ash Sluiced	895,849 346,900 96,081 720,772 DEC 639,714 208,604 43,591

DEC - 2018	January	February	March	April	May	June	July	August	September	October	November	December	YTD
ALLEN STATION													
DRY FLY ASH PRODUCED	13,160.32				•	•		•	5,622.72				•
DRY BOTTOM ASH PRODUCED	1,668.21			27.61				198.90	712.74				,
TOTAL ASH PRODUCED	14,828.52		0.00	245.43	•	-	994.77	1,768.00	6,335.46	0.00	0.00	0.00	•
ASH SLUICED TO POND	1,668.21	. 36.06	0.00	27.61	360.57	543.35	111.91	198.90	712.74	0.00	0.00	0.00	3,659.35
ASH LANDFILLED *	21,499.93	904.99	0.00	0.00	4,439.61	4,330.03	1,533.75	957.72	5,500.64	0.00	0.00	0.00	39,166.67
CENOSPHERES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASH BENEFICIAL REUSE	16.40	0.00	0.00	0.00	0.00	0.00	13.80	0.00	0.00	0.00	0.00	0.00	30.20
STRUCTURAL FILL ASH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED ASH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED TO STRUCTURAL FILL ASH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEMPORARY ASH STORAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BELEWS CREEK STATION													
DRY FLY ASH PRODUCED	40,175.40	7,400.16	22,950.20	650.82	29,213.17	31,544.11	25,169.87	29,198.62	19,973.89	0.00	0.00	0.00	206,276.24
DRY BOTTOM ASH PRODUCED	5,092.66	-	-		•	3,998.55	3,190.55	3,701.23	2,531.90				•
TOTAL ASH PRODUCED	45,268.06		25,859.38	733.32	•	•	28,360.42	•	22,505.79				232,423.94
ASH SLUICED TO POND	5,092.66	•	-	82.50	•	•	•	0.00	0.00				
ASH LANDFILLED *	18,502.55		0.00	25.17	•	14,859.13			3,017.04				•
CENOSPHERES	0.00				•	•	•	0.00	0.00				•
ASH BENEFICIAL REUSE		23,536.85					24,553.02						174,709.01
STRUCTURAL FILL ASH	0.00	•	-	0.00	•	•	•	0.00	0.00				•
RECLAIMED ASH	0.00								0.00				
								0.00					
RECLAIMED STRUCTURAL FILL ASH	0.00							0.00	0.00				
TEMPORARY ASH STORAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLIFFSIDE STATION	24 455 44								4= =00 66				
DRY FLY ASH PRODUCED	21,466.11	•	13,764.27	-	•	•	17,807.84	•	•				131,095.04
DRY BOTTOM ASH PRODUCED	2,414.94	•	•	1,273.82	•	1,988.23	•	1,576.68	•				•
TOTAL ASH PRODUCED	21,466.11	•	13,764.27	-	•		17,807.84						131,095.04
ASH SLUICED TO POND	900.95			0.00				0.00	0.00				•
ASH LANDFILLED *	33,192.08	22,715.77					32,403.35						233,650.03
CENOSPHERES	0.00						0.00	0.00	0.00	0.00	0.00		
ASH BENEFICIAL REUSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STRUCTURAL FILL ASH	2,927.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,927.28
RECLAIMED ASH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED STRUCTURAL FILL ASH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEMPORARY ASH STORAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARSHALL STATION													
DRY FLY ASH PRODUCED	28,998.83	10,156.10	17,301.55	22,519.73	22,144.80	26,480.77	22,008.85	23,633.68	29,921.49	0.00	0.00	0.00	203,165.81
DRY BOTTOM ASH PRODUCED	3,675.91	1,287.39	2,193.15	2,854.61	2,807.09	3,356.72	2,789.85	2,995.82	3,792.86	0.00	0.00	0.00	25,753.41
TOTAL ASH PRODUCED	32,674.74	11,443.49	19,494.71	25,374.34	24,951.89	29,837.49	24,798.71	26,629.50	33,714.35	0.00	0.00	0.00	228,919.22
ASH SLUICED TO POND	3,675.91	1,287.39	2,193.15	2,854.61	2,807.09	3,356.72	2,789.85	2,995.82			0.00		25,753.41
ASH LANDFILLED *	•	14,083.86	•	•	•		33,020.90						291,568.20
Fly Ash Sales	179.71			4,616.26				999.93					14,274.69
ASH BENEFICIAL REUSE	2,453.43		3,217.90				1,915.20	383.27	133.06				
STRUCTURAL FILL ASH	0.00		-	-	•			0.00					•
RECLAIMED ASH	0.00							0.00					
RECLAIMED ASTI	0.00							0.00					
TEMPORARY ASH STORAGE	0.00							0.00					
ILIVIPUNANT ASH STUNAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ash Produced	639,714	ļ			percent reuse		33%						
Production Ash Reused	208,604	ļ											
Ash Sluiced	43,591												
	•												

Ash Landfilled	624,813
Ash to Structural Fill	2,927
Reclaimed Ash for Beneficial Reuse	0

DEP - 2018													
ASHEVILLE STATION													
DRY FLY ASH PRODUCED	6,023.16	3,286.44	3,786.77	4,309.87	1,873.43	3,733.89	2,562.80	3,121.23	6,575.05	0.00	0.00	0.00	35,272.64
DRY BOTTOM ASH PRODUCED	763.50	416.59	480.01	546.32	237.48	473.31	324.86	395.65	833.46	0.00	0.00	0.00	4,471.18
TOTAL ASH PRODUCED	6,786.66	3,703.03	4,266.78	4,856.20	2,110.90	4,207.20	2,887.66	3,516.88	7,408.51	0.00	0.00	0.00	39,743.82
ASH SLUICED TO POND	6,786.66	3,703.03	4,266.78	4,856.20	2,110.90	4,207.20	2,887.66	3,516.88	7,408.51	0.00	0.00	0.00	39,743.82
ASH LANDFILLED *	61,572.00	66,951.00	74,475.00	73,943.00	73,114.00	69,176.00	68,529.00	71,109.00	57,539.00	0.00	0.00	0.00	616,408.00
CENOSPHERES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASH BENEFICIAL REUSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STRUCTURAL FILL ASH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED ASH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED TO STRUCTURAL FILL ASH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEMPORARY ASH STORAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAYO STATION													
DRY FLY ASH PRODUCED	11,012.93	2,673.05	3,585.49	7,060.44	5,054.10	7,246.97	5,802.37	5,850.37	2,181.39	0.00	0.00	0.00	50,467.12
DRY BOTTOM ASH PRODUCED	1,396.01	338.84	454.50	894.99	640.66	918.63	735.51	741.60	276.51	0.00	0.00	0.00	6,397.24
TOTAL ASH PRODUCED	12,408.94	3,011.89	4,039.99	7,955.43	5,694.76	8,165.60	6,537.88	6,591.97	2,457.91	0.00	0.00	0.00	56,864.36
ASH SLUICED TO POND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASH LANDFILLED *	13,368.25	4,690.68	2,989.12	7,635.11	8,231.33	9,615.10	7,131.25	6,677.87	3,413.51	0.00	0.00	0.00	63,752.22
CENOSPHERES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASH BENEFICIAL REUSE	25.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.22
STRUCTURAL FILL ASH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED ASH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED ASH TO STRUCTURAL FILL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEMPORARY ASH STORAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ROXBORO STATION													
DRY FLY ASH PRODUCED	33,660.35	8,685.34	10,757.48	6,830.21	11,806.80	26,646.24	22,806.21	27,137.66	18,403.82	0.00	0.00	0.00	166,734.11
DRY BOTTOM ASH PRODUCED	4,266.80	1,100.96	1,363.62	865.80	1,496.64	3,377.69	2,890.93	3,439.98	2,332.88	0.00	0.00	0.00	21,135.31
TOTAL ASH PRODUCED	37,927.15	9,786.29	12,121.11	7,696.02	13,303.44	30,023.93	25,697.13	30,577.64	20,736.70	0.00	0.00	0.00	187,869.42
ASH SLUICED TO POND	4,266.80	1,100.96	1,363.62	865.80	1,496.64	3,377.69	2,890.93	3,439.98	2,332.88	0.00	0.00	0.00	21,135.31
ASH LANDFILLED *	46,123.36	13,824.89	0.00	0.00	39.00	1,993.69	28,910.70	6,308.50	0.00	0.00	0.00	0.00	97,200.14
CENOSPHERES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASH BENEFICIAL REUSE	9,474.32	20,580.87	20,325.65	9,797.48	12,372.67	34,343.49	4,148.71	38,685.98	4,118.34	0.00	0.00	0.00	153,847.51
STRUCTURAL FILL ASH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED ASH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED ASH TO STRUCTURAL FILL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DEP

TEMPORARY ASH STORAGE

Ash Produced 284,478 percent reuse 54% Production Ash Reused 153,873

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

Ash Sluiced	117,743
Ash Landfilled	777,360
Ash to Structural Fill	0
Reclaimed Ash for Beneficial Reuse	0

Combined Production Ash Reused		924,192 362,477			ķ	percent reuse		39%			
DEP & DEC	Total CCP Produced	336,469	103,577	166,874	125,970	193,013	277,643	243,537	252,248	223,794	1,923,124
	Total CCP Reused	115,879	119,340	128,544	125,684	142,190	159,601	123,971	162,592	115,892	1,193,691
	% Ash Reuse	29%	136%	80%	104%	74%	71%	59%	91%	33%	66%
	% Gypsum Reuse	54%	124%	104%	139%	106%	66%	68%	70%	81%	82%
	% Total CCP Reuse	34%	115%	77%	100%	74%	57%	51%	64%	52%	62%

²⁰¹⁸ CCP September Utilization Station Health

^{*} Ash Landfilled represent the moist tons of CCR's weighed and placed in the landfills monthly.

DEC - 2017	January	February	March	April M	ay Ju	une Ju	ly Au	ıgust	September	October	November	December	YTD
ALLEN STATION DRY FLY ASH PRODUCED	F 0F7 F0	265.22	1 202 22	1 060 70	1 052 17	1 405 60	0.522.20	4.029.00	F 074 3	0 4642.9	61.0	1 012 25	20 000 22
DRY BOTTOM ASH PRODUCED	5,957.59 1,489.40		1,302.32 325.58		1,853.17 463.29	1,405.60 351.40	9,522.30 2,380.58	4,938.00 1,234.50	· ·	•		•	38,858.33 9,714.58
TOTAL ASH PRODUCED	7,446.99						•	•	•	•			9,714.38 48,572.92
ASH SLUICED TO POND	1,489.40		1,627.90 325.58	2,462.13 492.43	2,316.46 463.29	1,756.99 351.40	11,902.88	6,172.50	•	•		•	•
ASH LANDFILLED *	-				0.00		2,380.58	1,234.50	•	•			54,351.84
	11,109.86					3,429.37	15,127.94	6,209.12	•	•		,	•
CENOSPHERES ASH BENEFICIAL REUSE	0.00				0.00	0.00	0.00	0.00					
	0.00				0.00	0.00	11.00	8.40					
STRUCTURAL FILL ASH	0.00			0.00	0.00	0.00	0.00	0.00					
RECLAIMED ASH RECLAIMED TO STRUCTURAL FILL ASH	0.00				0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00					
	0.00						0.00						0.00 0.00
TEMPORARY ASH STORAGE BELEWS CREEK STATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.0	0.00	0.00
DRY FLY ASH PRODUCED	17,294.87	E 600 64	26 020 14	26 212 05	35,287.89	38,204.68	46,697.95	42,290.07	14 725 0	2 8,312.78	12 701 2	7 25,680.51	316,764.98
DRY BOTTOM ASH PRODUCED	2,137.57	•	36,029.14 4,453.04	•	•	•	•	•	•	•	•		•
TOTAL ASH PRODUCED	2,137.37 19,432.44		•	•	4,361.42	4,721.93	5,771.66	5,226.86	•		•	•	39,150.73
ASH SLUICED TO POND	•	•	•	•	39,649.31	42,926.61	52,469.60	47,516.93	•	•	•	•	355,915.70
	2,137.57		4,453.04		4,361.42	4,721.93	5,771.66	5,226.86			•	•	39,150.73
ASH LANDFILLED *	1,811.88		0.00	4,078.79	0.00	2,751.48	9,648.96	10,089.52					·
CENOSPHERES ASH RENEELCIAL RELIEF	0.00				0.00	0.00	0.00	0.00					0.00
ASH BENEFICIAL REUSE	18,561.31				39,396.99	44,077.97	36,172.89	38,594.58	•	•	•	•	296,860.70
STRUCTURAL FILL ASH	0.00				0.00	0.00	0.00	0.00					
RECLAIMED ASH	0.00			0.00	0.00	0.00	0.00	0.00					
RECLAIMED STRUCTURAL FILL ASH	0.00				0.00	0.00	0.00	0.00					
TEMPORARY ASH STORAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.0	0.00	0.00
CLIFFSIDE STATION	40 402 42	44 225 72	44 500 74	47.042.57	42.047.24	42 250 00	40 777 55	12.020.61	42.052.2	. 42.076.4		0 000.00	452 624 57
DRY FLY ASH PRODUCED	18,402.12	•	•	•	13,817.34	12,358.88	19,777.55	13,030.61	•	•	•	•	·
DRY BOTTOM ASH PRODUCED	2,749.74	•	1,733.14	•	2,064.66	1,846.73	2,955.27	1,947.10		•			22,956.44
TOTAL ASH PRODUCED	21,151.86		13,331.85		15,882.00	14,205.60	22,732.82	14,977.72		•		•	176,588.01
ASH SLUICED TO POND	0.00			0.00	0.00	0.00	0.00	0.00					0.00
ASH LANDFILLED *	33,099.37		15,782.71	20,557.95	16,109.47	24,058.21	25,373.08	22,259.94					233,503.76
CENOSPHERES	0.00				0.00	0.00	0.00	0.00					
ASH BENEFICIAL REUSE	0.00				0.00	0.00	0.00	0.00					
STRUCTURAL FILL ASH	9,056.00				0.00	0.00	0.00	0.00					
RECLAIMED ASH	0.00				0.00	0.00	0.00	0.00					
RECLAIMED STRUCTURAL FILL ASH	0.00				0.00	0.00	0.00	0.00					
TEMPORARY ASH STORAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.0	0.00	0.00
MARSHALL STATION	26.424.02	47.000.00	40 705 00	45.062.00	46.006.04	25 400 00	24 722 62	27.020.22	40.240.4	4 22 500 4	22.402.2	7 22 226 25	267 556 45
DRY FLY ASH PRODUCED	26,424.92				16,936.24	25,100.98	31,730.68	27,939.32					267,556.15
DRY BOTTOM ASH PRODUCED	4,663.22		3,482.72		2,988.75	4,429.59	5,599.53	4,930.47		•			47,215.79
TOTAL ASH PRODUCED	31,088.14				19,924.99	29,530.57	37,330.22	32,869.79					
ASH SLUICED TO POND	4,663.22				2,988.75	4,429.59	5,599.53	4,930.47	•	•	•		47,215.79
ASH LANDFILLED *	38,414.43				26,402.20	40,062.61	46,098.72	43,458.20		•	•		395,948.54
Fly Ash Sales	700.63	•			49.31	0.00	0.00	0.00	•		•		·
ASH BENEFICIAL REUSE	4,097.28				1,611.82	2,029.69	1,097.52	2,196.04			•		
STRUCTURAL FILL ASH	0.00				0.00	0.00	0.00	0.00					
RECLAIMED ASH	0.00				0.00	0.00	0.00	0.00					
RECLAIMED STRUCTURAL FILL ASH	0.00				0.00	0.00	0.00	0.00					
TEMPORARY ASH STORAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.0	0.00	0.00
Ash Produced	895,849	(ne	ercent reuse		39%						
Production Ash Reused	346,900			P			-2						
Ash Sluiced	96,081												
Ash Landfilled	720,772												
Ash to Structural Fill	, 20,, , 2												
Reclaimed Ash for Beneficial Reuse	C												
	·												

DEP - 2017 ASHEVILLE STATION DRY FLY ASH PRODUCED 5,748.19 3,366.01 4,617.36 2,566.12 2,399.28 3,615.61 4,888.30 3,921.04 1,810.48 2,831.70 1,976.28 4,258.29 41,998.66 DRY BOTTOM ASH PRODUCED 728.64 841.50 1,154.34 641.53 599.82 903.90 1,222.07 980.26 452.62 707.93 494.07 1,064.57 9,791.26 TOTAL ASH PRODUCED 6,476.83 4,207.51 5,771.71 3,207.65 2,999.10 4,519.52 6,110.37 4,901.30 2,263.10 3,539.63 2,470.35 5,322.86 51,789.92

ASH SLUICED TO POND		6,476.83	4,207.51	5,771.71	3,207.65	2,999.10	4,519.52	6,110.37	4,901.30	2,263.10	3,539.63	2,470.35	5,322.86	51,789.92
ASH LANDFILLED *		42,948.00	40,908.00	45,883.00	34,265.00	19,441.00	40,544.00	34,635.00	36,147.00	25,538.00	26,062.00	28,172.00	48,652.00	443,305.00
CENOSPHERES		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASH BENEFICIAL REUSE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STRUCTURAL FILL ASH		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED ASH		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED TO STRUCTURAL FILL ASH		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEMPORARY ASH STORAGE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAYO STATION														
DRY FLY ASH PRODUCED		4,139.93	2,631.78	4,893.54	1,729.87	924.58	4,714.66	6,994.95	7,087.42	872.14	1,316.21	0.00	5,230.44	40,535.52
DRY BOTTOM ASH PRODUCED		524.78	657.95	1,223.38	432.47	231.14	1,178.67	1,748.74	1,771.86	218.03	329.05	0.00	1,307.61	9,623.68
TOTAL ASH PRODUCED		4,664.72	3,289.73	6,116.92	2,162.34	1,155.72	5,893.33	8,743.69	8,859.28	1,090.17	1,645.27	0.00	6,538.04	50,159.20
ASH SLUICED TO POND		524.78	657.95	1,223.38	432.47	231.14	1,178.67	1,748.74	1,771.86	218.03	329.05	0.00	1,307.61	9,623.68
ASH LANDFILLED *		5,067.78	5,467.46	4,961.15	4,619.17	2,114.14	7,604.00	9,749.22	11,102.20	2,571.67	0.00	0.00	0.00	53,256.79
CENOSPHERES		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASH BENEFICIAL REUSE		0.00	451.42	46.40	90.31	0.00	0.00	0.00	0.00	0.00	21.80	0.00	0.00	609.93
STRUCTURAL FILL ASH		0.00	0.00	0.00	0.00	0.00	21.28	0.00	0.00	0.00	0.00	0.00	0.00	21.28
RECLAIMED ASH		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED ASH TO STRUCTURAL FILL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEMPORARY ASH STORAGE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ROXBORO STATION														
DRY FLY ASH PRODUCED		14,920.62	2,823.78	11,832.69	9,750.31	8,339.45	19,203.35	35,510.58	30,362.92	20,486.68	11,498.44	11,544.59	20,911.50	199,655.07
DRY BOTTOM ASH PRODUCED		1,891.35	705.95	2,958.17	2,437.58	2,084.86	4,800.84	8,877.65	7,590.73	5,121.67	2,874.61	2,886.15	5,227.88	48,074.96
TOTAL ASH PRODUCED		16,811.97	3,529.73	14,790.86	12,187.89	10,424.31	24,004.18	44,388.23	37,953.65	25,608.35	14,373.05	14,430.74	26,139.38	247,730.02
ASH SLUICED TO POND		1,891.35	705.95	2,958.17	2,437.58	2,084.86	4,800.84	8,877.65	7,590.73	5,121.67	2,874.61	2,886.15	5,227.88	48,074.96
ASH LANDFILLED *		14,178.16	6,098.63	8,909.10	0.00	0.00	0.00	51,563.62	41,682.69	25,409.35	12,234.86	14,043.91	21,112.75	245,845.33
CENOSPHERES		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ASH BENEFICIAL REUSE		6,294.05	6,865.17	6,248.70	2,305.00	4,607.20	4,580.86	4,386.03	8,835.59	5,788.37	10,216.11	11,082.24	10,111.74	81,382.77
STRUCTURAL FILL ASH		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED ASH		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RECLAIMED ASH TO STRUCTURAL FILL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEMPORARY ASH STORAGE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEP														
Ash Produced		349,679			pe	rcent reuse		23%						
Production Ash Reused		81,993			r-	-								
Ash Sluiced		150,024												
Ash Landfilled		742,407												
Ash to Structural Fill		21												
Reclaimed Ash for Beneficial Reuse		0												
Combined		1,245,528			pe	rcent reuse		34%						
Production Ash Reused		428,893												
DEP & DEC	Total CCP Produced	205,099	115,490	196,978	182,369	182,518	237,444	360,817	321,788	189,994	149,954	125,239	181,423	2,449,115
	Total CCP Reused	158,110	124,842	140,953	149,945	165,308	180,372	168,900	198,210	155,099	170,276	156,683	149,953	1,918,651
	% Ash Reuse	27%	51%	24%	34%	49%	41%	25%	37%	55%	75%	76%	53%	42%
	% Gypsum Reuse	131%	156%	126%	133%	134%	113%	69%	84%	105%	153%	177%	120%	116%
2017 CCD December Hillipation Station Health Final	% Total CCP Reuse	77%	108%	72%	82%	91%	76%	47%	62%	82%	114%	125%	83%	78%

^{*} Ash Landfilled represent the moist tons of CCR's weighed and placed in the landfills monthly.

2017 CCP December Utilization Station Health Final w 2016 correctionsJWJ

DEC - 2016	January	February	March	April	May J	June	July	August	September	October	November	December	YTD
ALLEN STATION													
DRY FLY ASH PRODUCED	5,145			•	262	6,750	13,580		•			-	63,714
DRY BOTTOM ASH PRODUCED	1,286				65	1,688	3,395	-	2,211				15,929
TOTAL ASH PRODUCED	6,432		•	•	327	8,438	16,975	-	•			2,777	79,643
ASH SLUICED TO POND	1,286				65	1,688	3,395	-	2,211		' C		15,929
ASH LANDFILLED *	9,371	1 8,196	6,279	1,673	0	9,098	21,039	23,095	11,850	4,484	2,104	2,695	99,882
CENOSPHERES	() (-	0	0	0	0	0	C) C	0	0
ASH BENEFICIAL REUSE	() (203	0	0	0	0) 0	203	0) C	0	407
STRUCTURAL FILL ASH	() (0	0	0	0	0	0	C) 0) C	0	0
RECLAIMED ASH	() (0	0	0	0	0) 0	C) 0) C	0	0
RECLAIMED TO STRUCTURAL FILL ASH	() (0	0	0	0	0	_	C) 0) C	_	0
TEMPORARY ASH STORAGE	() (0	0	0	0	0) 0	C) 0) C	0	0
BELEWS CREEK STATION													
DRY FLY ASH PRODUCED	40,446	•		•	21,045	40,799	36,523		48,809				348,038
DRY BOTTOM ASH PRODUCED	4,999	3,089	1,109	1,485	2,601	5,043	4,514	5,422	6,033	3,246	2,353	3,123	43,016
TOTAL ASH PRODUCED	45,445	5 28,084	10,086	13,497	23,646	45,842	41,037	49,289	54,841	. 29,508	21,390	28,388	391,054
ASH SLUICED TO POND	4,999	3,089	1,109	1,485	2,601	5,043	4,514	5,422	6,033	3,246	2,353	3,123	43,016
ASH LANDFILLED *	4,052	2 14,440	1,141	0	0	6,226	19,685	9,803	24,295	9,013	2,402	5,863	96,922
CENOSPHERES	() (0		0	0	0	0	C) 0) C	0	0
ASH BENEFICIAL REUSE	18,784	1 20,383	22,364	12,460	12,056	30,048	25,245	34,962	29,274	27,198	35,919	21,389	290,083
STRUCTURAL FILL ASH	() (0	0	0	0	0	0	C) 0) C	0	0
RECLAIMED ASH	() (0	0	0	0	0	0	C) 0) C	0	0
RECLAIMED STRUCTURAL FILL ASH	() (0	0	0	0	0	0	C) 0) C	0	0
TEMPORARY ASH STORAGE	() (0	0	0	0	0	0	C) 0) C	0	0
CLIFFSIDE STATION													
DRY FLY ASH PRODUCED	5,751	•		0	5,869	18,014	24,223	-	7,850	5,274	8,526	21,257	119,587
DRY BOTTOM ASH PRODUCED	859	9 878	14	0	877	2,692	3,620	2,518	1,173	788	3 1,274	3,176	17,869
TOTAL ASH PRODUCED	6,613	1 6,754	111	0	6,746	20,706	27,842	19,367	9,023	6,062	9,801	24,433	137,456
ASH SLUICED TO POND	1,472		111	0	877	7,135	13,142		1,173				46,985
ASH LANDFILLED *	2,701	1 (0	0	6,298	23,717	20,506	21,803	11,161	9,637	5,141	27,084	128,049
CENOSPHERES	() (-	0	0	0	0	0	C) 0) C	0	0
ASH BENEFICIAL REUSE	2,702			0	0	0	0	_	C		_		13,546
STRUCTURAL FILL ASH	852	2 1,015	0	0	751	3,358	3,162	3,398	1,614	981	. 1,816	4,050	20,997
RECLAIMED ASH	() (0	0	0	0	0) 0	C) 0) C	0	0
RECLAIMED STRUCTURAL FILL ASH	() (0	0	0	0	0		_	_	_		0
TEMPORARY ASH STORAGE	() (0	0	0	0	0) 0	C) 0) C	0	0
MARSHALL STATION													
DRY FLY ASH PRODUCED	30,253				14,602	28,041	35,788						287,047
DRY BOTTOM ASH PRODUCED	5,339				2,577	4,948	6,316						50,655
TOTAL ASH PRODUCED	35,592				17,179	32,990	42,104		25,646				337,702
ASH SLUICED TO POND	5,339	•	•	•	2,577	4,948	6,316	-	•		•		50,655
ASH LANDFILLED *	40,743	35,814	28,184		19,212	45,926	48,723						423,950
Fly Ash Sales	(•	2,750	1,786	600		•				13,275
ASH BENEFICIAL REUSE	2,229	9 2,152	1,564	3,587	3,666	4,226	2,690	3,721	3,441	6,211	6,846	4,407	44,739
STRUCTURAL FILL ASH	(0	0	0	0	0		C		-		0
RECLAIMED ASH	(•	0	0	0	0	0	_		_			0
RECLAIMED STRUCTURAL FILL ASH	(_	0	0	0	0			-	_		0
TEMPORARY ASH STORAGE	() (0	0	0	0	0	0	С	0) С	0	0
Ash Produced	945,854				percent reu	ise	38%	5					
Production Ash Reused	362,050												
Ash Sluiced	156,584	1											

Ash Landfilled	748,803
Ash to Structural Fill	20,997
Reclaimed Ash for Beneficial Reuse	0

DED 2016													
DEP - 2016 ASHEVILLE STATION													
DRY FLY ASH PRODUCED	5,439	5,336	2,924	1,917	2,415	3,321	6,354	7,883	3,370	2,355	4,299	5,730	51,342
DRY BOTTOM ASH PRODUCED	690	1,334	731	479	604	830	1,588	7,883 1,971	3,370 842	2,333 589	4,299 1,075	1,433	12,165
TOTAL ASH PRODUCED	6,129	6,670	3,655	2,396	3,018	4,151	7,942	9,854	4,212	2,944	5,373	7,163	63,507
ASH SLUICED TO POND	6,129	6,670	3,655	2,396	3,018	4,151 4,151	7,942 7,942	9,854 9,854	4,212 4,212	2,944 2,944	5,373 5,373	7,163	63,507
ASH LANDFILLED *	0,129	0,070	3,033 0	2,390	3,018 0	4,131	7,942 0	9,654	4,212	2, 344 0	3,373 0	7,103	03,307
CENOSPHERES	0	0	0	0	0	0	0	0	0	0	0	0	0
ASH BENEFICIAL REUSE	0	0	0	0	0	0	0	0	0	0	0	0	0
STRUCTURAL FILL ASH	0	0	0	0	0	0	0	0	0	0	0	0	0
RECLAIMED ASH	0	0	0	0	0	0	0	0	0	0	0	0	0
RECLAIMED AST	0	0	0	0	0	0	0	0	0	0	0	0	0
TEMPORARY ASH STORAGE	0	0	0	0	0	0	0	0	0	0	0	0	0
MAYO STATION	O	O	U	O	O	O	U	O	O	U	O	U	U
DRY FLY ASH PRODUCED	8,987	5,932	1,802	2,018	6,920	8,687	13,661	13,507	12,525	3,405	4,873	3,040	85,358
DRY BOTTOM ASH PRODUCED	1,139	1,483	451	505	1,730	2,172	3,415	3,377	3,131	851	1,218	760	20,232
TOTAL ASH PRODUCED	10,126	7,415	2,253	2,523	8,650	10,859	17,077	16,884	15,656	4,256	6,091	3,800	105,590
ASH SLUICED TO POND	0	0	0	0	0	0	0	0	0	0	0,031	0	0
ASH LANDFILLED *	9,420	5,093	2,958	1,214	5,896	10,278	13,912	16,766	14,589	4,868	6,809	5,926	97,730
CENOSPHERES	0	0	0	0	0	0	0	0	0	0	0	0	0
ASH BENEFICIAL REUSE	276	950	253	0	301	0	0	0	0	0	675	0	2,455
STRUCTURAL FILL ASH	0	67	25	42	0	138	144	136	43	44	0	0	640
RECLAIMED ASH	0	0	0	0	0	0	0	0	0	0	0	0	0
RECLAIMED ASH TO STRUCTURAL FILL	0	0	0	0	0	0	0	0	0	0	0	0	0
TEMPORARY ASH STORAGE	0	0	0	0	0	0	0	0	0	0	0	0	0
ROXBORO STATION													
DRY FLY ASH PRODUCED	32,792	18,547	2,006	9,423	11,787	34,943	45,138	38,708	29,908	19,192	6,506	12,008	260,957
DRY BOTTOM ASH PRODUCED	4,157	4,637	502	2,356	2,947	8,736	11,284	9,677	7,477	4,798	1,626	3,002	61,198
TOTAL ASH PRODUCED	36,949	23,183	2,508	11,779	14,734	43,679	56,422	48,386	37,384	23,990	8,132	15,010	322,155
ASH SLUICED TO POND	4,157	4,637	502	2,356	2,947	8,736	11,284	9,677	7,477	4,798	1,626	3,002	61,198
ASH LANDFILLED *	29,132	23,051	4,441	7,499	13,304	38,736	54,017	46,348	40,676	34,034	9,133	36,096	336,468
CENOSPHERES	0	0	0	0	0	0	0	0	0	0	0	0	0
ASH BENEFICIAL REUSE	7,475	11,931	4,132	1,919	8,762	11,428	14,099	12,038	9,082	9,975	2,558	3,833	97,231
STRUCTURAL FILL ASH	0	0	0	0	0	0	0	0	0	0	0	0	0
RECLAIMED ASH	0	0	0	0	0	0	0	0	0	0	0	0	0
RECLAIMED ASH TO STRUCTURAL FILL	0	0	0	0	0	0	0	0	0	0	0	0	0
TEMPORARY ASH STORAGE	0	0	0	0	0	0	0	0	0	0	0	0	0

20%

DEP

Ash Produced 491,252 percent reuse Production Ash Reused 99,686

Ash Sluiced	230,295
Ash Landfilled *	434,198
Ash to Structural Fill	640
Reclaimed Ash for Beneficial Reuse	0

Combined Production Ash Reused		1,437,106 461,736			i	percent reu	se	32%							
DEP & DEC Portion added 6/1/2017 as a results of a request for the backup to the	Total CCP Produced	264,509	213,060	100,026	89,106	136,286	306,452	402,028	400,233	326,645	216,450	143,589	219,155 2,	,817,538	
summary document JWJ	Total CCP Reused % Ash Reuse % Gypsum Reuse	145,297 22% 96%	188,534 45% 132%	151,834 62% 228%	130,162 36% 310%	147,421 38% 192%	196,564 31% 104%	191,350 22% 75%	218,850 28% 81%	183,255 28% 82%	173,736 47% 108%	180,400 73% 173%	182,002 2, 32% 135%	,089,403 34% 116%	
	% Total CCP Reuse	55%	88%	152%	146%	108%	64%	48%	55%	56%	80%	126%	83%	74%	74 16%

Data from Beneficial Reuse File Server 2016 CCP Utilization DOE Index.xlsm

^{*} Ash Landfilled represent the moist tons of CCR's weighed and placed in the landfills monthly.

Catholic Proposed	DEC - 2015	January	February	March /	April I	May	June	July	August	September O	ctober	November	December	YTD
ASH SILUCED TO POND	ALLEN STATION													
ASH INNOPHILED*	TOTAL ASH PRODUCED	6,704	20,818	4,101	0	3,031	15,995	45,504	16,883	3,823	899	72	695	118,524
Cembers 0	ASH SLUICED TO POND	1,341	4,164	820	0	606	3,199	2,528	1,993	765	180	14	139	15,748
ASH BENEFICIAL RELISE 0	ASH LANDFILLED *	8,846	24,409	7,215	0	1,543	19,996	26,725	20,702	3,929	274	O	695	114,334
STRUCTURAL FILL ASH	CENOSPHERES	C	0	0	0	0	0	0	0	0	0	C	0	0
RECLAIMED ASH RECLAIMED TO STRUCTURAL FILL ASH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ASH BENEFICIAL REUSE	C	0	0	0	0	100	0	0	0	0	C	0	100
PRECIAMED TO STRUCTURAL FILL ASH PRODUCED 16,227 24,237 34,247 34	STRUCTURAL FILL ASH	C	0	0	0	0	0	0	0	0	0	C	0	0
BELEWS CREKE STATION 1 0	RECLAIMED ASH	C	0	0	0	0	0	0	0	0	0	C	0	0
Pattern Capabil Capa	RECLAIMED TO STRUCTURAL FILL ASH	C	0	0	0	0	0	0	0	0	0	C	0	0
Part	TEMPORARY ASH STORAGE	C	0	0	0	0	0	0	0	0	0	C	0	0
ASH SLUICED TO POND	BELEWS CREEK STATION													
Recomposition	TOTAL ASH PRODUCED	45,725	44,876	43,784	19,551	29,515	42,662	47,663	35,964	35,666	31,722	24,913	19,533	421,574
CENOSPHERES 0	ASH SLUICED TO POND	4,875	4,936	4,816	1,937	3,247	4,693	5,243	3,281	3,923	3,489	2,668	2,149	45,258
STRUCTURAL FILL ASH	ASH LANDFILLED *	8,054	34,166	15,195	3,042	2,824	3,030	7,449	5,731	0	4,357	4,165	351	88,365
STRUCTURAL FILL ASH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CENOSPHERES	C	0	0	0	0	0	0	0	0	0	O	0	0
RECLAIMED ASH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ASH BENEFICIAL REUSE	15,061	11,186	26,639	30,599	30,253	49,099	34,271	35,486	31,310	21,639	21,189	29,013	335,746
RECLAIMED STRUCTURAL FILL ASH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	STRUCTURAL FILL ASH	C	0	0	0	0	0	0	0	0	0	C	0	0
TEMPORARY ASH STORAGE 0	RECLAIMED ASH	C	0	0	0	0	0	0	0	0	0	O	0	0
CLIFFSIDE STATION 16,224 30,010 3,427 0 4,300 19,050 27,478 25,279 19,621 1,576 0 682 152,646 1,545 1,	RECLAIMED STRUCTURAL FILL ASH	C	0	0	0	0	0	0	0	0	0	O	0	0
TOTAL ASH PRODUCED 16,224 30,010 8,427 0 4,300 19,050 27,478 25,279 19,621 1,576 0 682 15,264 ASH SLUICED TO POND 1,905 10,112 1,739 0 -166 6,748 8,048 2,852 1,159 -40 -210 682 32,828 ASH LANDFILLED* 23,273 28,282 14,620 721 9,023 15,636 30,918 32,982 25,806 7,241 210 0 188,712 CENOSPHERES 0	TEMPORARY ASH STORAGE	C	0	0	0	0	0	0	0	0	0	O	0	0
ASH SLUICED TO PONDO 1,905 10,112 1,739 0 -166 6,748 8,048 2,852 1,159 -40 -210 682 32,828 ASH LANDFILLED * 23,273 28,282 14,620 721 9,023 15,636 30,918 32,982 25,806 7,241 210 0 188,712 CENOS PHERES 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CLIFFSIDE STATION													
ASH LANDFILLED* 23,273 28,282 14,620 721 9,023 15,636 3,918 32,982 25,806 7,241 210 0 10 188,712 CENOSPHERES 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TOTAL ASH PRODUCED	16,224	30,010	8,427	0	4,300	19,050	27,478	25,279	19,621	1,576	O	682	152,646
CENOSPHERES 0 8,524 STRUCTURAL FILL ASH 0	ASH SLUICED TO POND	1,905	10,112	1,739	0	-166	6,748	8,048	2,852	1,159	-40	-210	682	32,828
ASH BENEFICIAL REUSE 24 0 0 0 0 8,500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ASH LANDFILLED *	23,273	3 28,282	14,620	721	9,023	15,636	30,918	32,982	25,806	7,241	210	0	188,712
STRUCTURAL FILL ASH 0	CENOSPHERES	C	0	0	0	0	0	0	0	0	0	O	0	0
RECLAIMED ASH 0 <	ASH BENEFICIAL REUSE	24	1 0	0	0	0	8,500	0	0	0	0	O	0	8,524
RECLAIMED STRUCTURAL FILL ASH 0	STRUCTURAL FILL ASH	C	0	0	0	0	0	0	0	0	0	O	0	0
TEMPORARY ASH STORAGE 0	RECLAIMED ASH	C	0	0	0	0	0	0	0	0	0	O	0	0
MARSHALL STATION TOTAL ASH PRODUCED 16,587 23,008 26,410 17,585 23,404 36,159 33,134 33,539 19,694 14,308 20,477 16,214 280,520 ASH SLUICED TO POND 2,488 3,451 3,962 2,638 3,511 5,424 4,970 5,031 2,954 2,146 3,071 2,432 42,078 ASH LANDFILLED* 49,968 32,959 42,631 20,495 20,590 44,189 42,051 41,155 26,811 17,470 24,934 26,654 389,908 CENOSPHERES 0 </td <td>RECLAIMED STRUCTURAL FILL ASH</td> <td>C</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>O</td> <td>0</td> <td>0</td>	RECLAIMED STRUCTURAL FILL ASH	C	0	0	0	0	0	0	0	0	0	O	0	0
TOTAL ASH PRODUCED 16,587 23,008 26,410 17,585 23,404 36,159 33,134 33,539 19,694 14,308 20,477 16,214 280,520 ASH SLUICED TO POND 2,488 3,451 3,962 2,638 3,511 5,424 4,970 5,031 2,954 2,146 3,071 2,432 42,078 ASH LANDFILLED* 49,968 32,959 42,631 20,495 20,590 44,189 42,051 41,155 26,811 17,470 24,934 26,654 389,908 CENOSPHERES 0	TEMPORARY ASH STORAGE	C	0	0	0	0	0	0	0	0	0	O	0	0
ASH SLUICED TO POND 2,488 3,451 3,962 2,638 3,511 5,424 4,970 5,031 2,954 2,146 3,071 2,432 42,078 ASH LANDFILLED * 49,968 32,959 42,631 20,495 20,590 44,189 42,051 41,155 26,811 17,470 24,934 26,654 389,908 CENOSPHERES 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MARSHALL STATION													
ASH LANDFILLED * 49,968 32,959 42,631 20,495 20,590 44,189 42,051 41,155 26,811 17,470 24,934 26,654 389,908 CENOSPHERES 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TOTAL ASH PRODUCED	16,587	7 23,008	26,410	17,585	23,404	36,159	33,134	33,539	19,694	14,308	20,477	16,214	280,520
CENOSPHERES 0 <th< td=""><td>ASH SLUICED TO POND</td><td>2,488</td><td>3,451</td><td>3,962</td><td>2,638</td><td>3,511</td><td>5,424</td><td>4,970</td><td>5,031</td><td>2,954</td><td>2,146</td><td>3,071</td><td>2,432</td><td>42,078</td></th<>	ASH SLUICED TO POND	2,488	3,451	3,962	2,638	3,511	5,424	4,970	5,031	2,954	2,146	3,071	2,432	42,078
ASH BENEFICIAL REUSE 0 0 288 2,504 3,114 8,950 3,015 3,591 2,988 3,612 1,439 2,064 31,565 STRUCTURAL FILL ASH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ASH LANDFILLED *	49,968	32,959	42,631	20,495	20,590	44,189	42,051	41,155	26,811	17,470	24,934	26,654	389,908
STRUCTURAL FILL ASH 0	CENOSPHERES	C	0	0	0	0	0	0	0	0	0	C	0	0
RECLAIMED ASH 0 <	ASH BENEFICIAL REUSE	C	0	288	2,504	3,114	8,950	3,015	3,591	2,988	3,612	1,439	2,064	31,565
RECLAIMED STRUCTURAL FILL ASH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	STRUCTURAL FILL ASH	C	0											_
	RECLAIMED ASH	C	0	0	0	0	0	0	0	0	0	C	0	0
TEMPORARY ASH STORAGE 0 0 0 0 0 0 0 0 0 0 0 0 0	RECLAIMED STRUCTURAL FILL ASH	C	0	0	0	0	0	0	0	0	0	C	0	0
	TEMPORARY ASH STORAGE	C	0	0	0	0	0	0	0	0	0	O	0	0

Ash Produced	973,264
Production Ash Reused	375,934
Ash Sluiced	135,912
Ash Landfilled	781,320
Ash to Structural Fill	0
Reclaimed Ash for Beneficial Reuse	0

percent reuse 38.63%

DEP - 2015													
ASHEVILLE STATION													
TOTAL ASH PRODUCED	6,728	7,741	6,301	4,691	5,140	6,297	7,477	6,188	5,512	4,488	6,436	3,901	70,900
ASH SLUICED TO POND	6,728	7,741	6,301	4,691	5,140	6,297	7,477	6,188	5,512	4,488	6,436	3,901	70,900
ASH LANDFILLED *	0	0	0	0	0	0	0	6,188	5,512	4,488	6,436	3,901	26,525
CENOSPHERES	0	0	0	0	0	0	0	0	0	0	0	0	0
ASH BENEFICIAL REUSE	0	0	0	0	0	0	0	0	0	0	0	0	0
STRUCTURAL FILL ASH	6,728	7,741	6,301	4,691	5,140	6,297	7,477	0	0	0	0	0	44,374
RECLAIMED ASH	0	0	0	0	0	0	0	0	0	0	0	0	0
RECLAIMED TO STRUCTURAL FILL ASH	45,458	30,696	65,962	59,564	63,143	78,492	10,802	0	0	0	0	0	354,117
TEMPORARY ASH STORAGE	0	0	0	0	0	0	0	0	0	0	0	0	0
MAYO STATION													
TOTAL ASH PRODUCED	17,969	12,483	5,380	16,148	17,092	17,152	18,239	16,278	10,647	6,377	8,112	2,476	148,353
ASH SLUICED TO POND	2,022	2,497	1,076	3,230	3,418	3,430	3,648	3,256	2,129	1,275	1,622	495	28,098
ASH LANDFILLED *	18,530	17,886	4,717	18,346	23,362	25,445	25,794	14,287	12,232	5,481	14,039	3,109	183,229
CENOSPHERES	0	0	0	0	0	0	0	0	0	0	0	0	0
ASH BENEFICIAL REUSE	0	0	0	0	0	929	1,385	871	868	261	317	2,700	7,331
STRUCTURAL FILL ASH	0	0	0	0	0	0	0	0	0	0	0	0	0
RECLAIMED ASH	0	0	0	0	0	0	0	0	0	0	0	0	0
RECLAIMED ASH TO STRUCTURAL FILL	0	0	0	0	0	0	0	0	0	0	0	0	0
TEMPORARY ASH STORAGE	0	0	0	0	0	0	0	0	0	0	0	0	0
ROXBORO STATION													
TOTAL ASH PRODUCED	45,708	52,158	34,987	13,164	33,547	46,040	51,986	45,829	22,507	16,601	9,865	10,931	383,323
ASH SLUICED TO POND	5,142	10,432	6,997	2,633	6,709	9,208	10,397	9,166	4,501	3,320	1,973	2,186	72,665
ASH LANDFILLED *	45,434	49,669	35,967	9,694	26,878	45,782	51,645	47,136	17,570	19,155	14,890	6,323	370,142
CENOSPHERES	0	0	0	0	0	0	0	0	0	0	0	0	0
ASH BENEFICIAL REUSE	16,265	11,958	15,861	13,282	13,001	19,087	20,249	15,110	13,730	9,660	6,886	7,848	162,936
STRUCTURAL FILL ASH	0	0	0	0	0	0	0	0	0	0	0	0	0
RECLAIMED ASH	0	0	0	0	0	0	0	0	0	0	0	0	0
RECLAIMED ASH TO STRUCTURAL FILL	0	0	0	0	0	0	0	0	0	0	0	0	0
TEMPORARY ASH STORAGE	0	0	0	0	0	0	0	0	0	0	0	0	0

Ash Produced	602,576	percent reuse 28%
Production Ash Reused	170,267	
Ash Sluiced	171,663	
Ash Landfilled	579,896	
Ash to Structural Fill	44,374	
Reclaimed Ash for Beneficial Reuse	354,117	

^{*} Ash Landfilled represent the moist tons of CCR's weighed and placed in the landfills monthly.

Kerin Revised Exhibit 10
1 of 6

Duke Energy Car	olinas					
Breakdown of 20	<mark>015-September 30, 2018</mark>	Compliance Spend by site				
All numbers pres	sented on a system basis	S				
Site 2015 - September 30,2018 compliance spend		Type of spend	Legal justification for spend	Spend justification		
Allen	\$ 53,734,588	engineering; closure design drawings; wetland delineation; interstitial water and landfill leachate work; CAMA wells;	40 CFR 257.102(b) 40 CFR 257.60 40 CFR 257.101(b)(1) CAMA §§ 130A-309.213 and .214 HB 630 § 130A-309.211(c1)	Allen is subject to CCR rule provisions requiring basin closure. 40 CFR § 257.102(b) required a written closure plan by October 17, 2016. On October 11, 2018, it was determined that both ash basins at the Allen plant did not meet the uppermost aquifer location restriction (40 CFR § 257.60). This results in the Allen station basins being required to commence closure pursuant to 40 CFR § 257.101(b)(1)(i) no later than October 31, 2020. The Allen plant is anticipating a low-risk ranking under CAMA in light of Duke Energy's completion of the dam safety activities required under NCGS § 130A-309.213(d)(1)b. and establishment of the permanent water supplies required under NCGS §§ 130A-309.211(c1) and 130A-309.213(d)(1)a. Engineering and project planning at the current time		
Belews Creek	\$ 51,150,499	and overheads; CAMA and CCR wells; dam stability; groundwater activities.	40 CFR 257.102(b) 40 CFR 257.60 40 CFR 257.61 40 CFR 257.101(b)(1) CAMA §§ 130A-309.213 and .214 HB 630 § 130A-309.211(c1)	Belews Creek is subject to CCR rule provisions requiring basin closure. 40 CFR § 257.102(b) required a written closure plan by October 17, 2016. On October 12, 2017, it was determined that the ash basin at the Belews Creek plant did not meet the wetlands location restriction (40 CFR § 257.61) and the uppermost aquifer location restriction (40 CFR § 257.60). This results in the Belews Creek ash basin being required to commence closure pursuant to 40 CFR § 257.101(b)(1) on April 12, 2019. The Belews Creek plant is anticipating a low-risk ranking under CAMA in light of Duke Energy's completion of the dam safety activities required under NCGS § 130A-309.213(d)(1)b. and establishment of the permanent water supplies required under NCGS §§ 130A-309.211(c1) and 130A-		

Kerin Revised Exhibit 10

2 of 6

umbers pr	esented on a system basi	S		
Site	2015 - September 30,2018 compliance spend	Type of spend	Legal justification for spend	Spend justification
Buck	\$ 88,125,408	Closure plan development; wetlands delineation; dewatering; planning and overheads; CCR and CAMA wells; alternate spillway; beneficiation facility; groundwater; SW/PW reroute	40 CFR 257.102(b) 40 CFR 257.60 40 CFR 257.61 40 CFR 257.101(b) CAMA § 130A-309.213 and .214 HB630 §§ 130A-309.216	Buck is subject to CCR rule provisions requiring basis closure. 40 CFR § 257.102(b) required a written closure plan by October 17, 2016. On October 15, 2018, it was determined that the Additional Primary Pond and the Secondary Pond at Buck did not meet wetlands location restriction (40 CFR § 257.61) and uppermost aquifer location restriction (40 CFR § 257.60). This results in the additional primary pond and the secondary pond at Buck being required to commence closure pursuant to 40 CFR § 257.101(b) on April 15, 2019. On October 15, 2018, it was also determined that the primary pond at Buck did not meet the uppermost aquifer location restriction (40 CFR § 257.60). This results in the Primary Pond at B

Kerin Revised	Exhibit 10
	3 of 6

Duke Energy Carolinas						
Breakdown of 20) <mark>15-September 30, 2018</mark>	Compliance Spend by site				
All numbers pres	sented on a system basis	5				
Site	2015 - September	Type of spend	Legal justification for	Spend justification		
	30,2018 compliance		spend			
	spend					
Cliffside	\$ 71,472,788	Ash excavation and transport (Inactive ash basin); landfill activities to support excavation; planning and overheads; closure engineering; CAMA and CCR wells; alternate spillway; landfill; groundwater		Cliffside is subject to CCR rule provisions regarding basin closure. 40 CFR § 257.102(b) required a written closure plan by October 17, 2016. On October 11, 2018, it was determined that the Active Ash Basin and the Inactive Unit 5 Basin at Cliffside did not meet the wetlands location restriction (40 CFR § 257.61) and the uppermost aquifer location restriction (40 CFR § 257.60). This results in the Active Ash Basin and the Inactive Unit 5 Basin at Cliffside being required to commence closure pursuant to 40 CFR § 257.101(b)(1) on April 11, 2019. On November 3, 2016, the placement of wastestreams in the Inactive Units 1-4 Ash Basin ceased and closure of the basin commenced pursuant to 40 CFR § 257.102(e)(1)(i). The Cliffside plant is anticipating a low-risk ranking under CAMA in light of Duke Energy's completion of the dam safety activities required under NCGS § 130A-309.213(d)(1)b. and establishment of the permanent water supplies required under NCGS § 130A-309.211(c1) and 130A-		

ELECTRONICALLY FILED - 2019 January 18 4:42 PM - SCPSC - Docket # 2018-319-E

- Page 27 of 30

ELECTRONICALLY FILED - 2019 January 18 4:42 PM - SCPSC - Docket # 2018-319-E

- Page 28 of 30

Kerin Revised Exhibit 10

6 of 6

Duke Energy Ca	arolinas			
9.		Compliance Spend by site		
	esented on a system basis			
Site	2015 - September 30,2018 compliance spend	Type of spend	Legal justification for spend	Spend justification
Note:				
After the entry	of summary judgment the	HB630 amendments to CAMA co	odified this requirement. Ses	sion Law 2016-95, Section 3(a) and (b) (excerpted
SECTION 3.(a) N	Notwithstanding G.S. 130A	-309.213 or G.S. 130A-309.214,	as amended by Section 1 of th	nis act, and except as otherwise preempted by the
(1) Coal combus	stion residuals surface imp	oundments located at the H.F. L	ee Steam Station, owned and	operated by Duke Energy Progress, and located in Wayn
(2) Coal combus	stion residuals surface imp	oundments located at the Cape	Fear Steam Station, owned ar	nd operated by Duke Energy Progress, and located in Cha
(3) Coal combus	stion residuals surface imp	oundments located at the Weatl	herspoon Steam Station, own	ed and operated by Duke Energy Progress, and located in
SECTION 3.(b)	The impoundments identif	ied in subsection (a) of this section	on shall be closed as follows:	
(1) Impoundme	ents located in whole above	e the seasonal high groundwater	table shall be dewatered. Im	poundments located in whole or in part beneath the
seasonal high g	roundwater table shall be	dewatered to the maximum exte	ent practicable.	
(2) All coal com	bustion residuals shall be r	removed from the impoundment	ts and transferred for (i) dispo	sal in a coal combustion residuals landfill, industrial
(3) If restoratio	on of groundwater quality is	s degraded as a result of the imp	oundment, corrective action	to restore groundwater quality shall be implemented by

BEFORE THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA DOCKET NO. 2018-319-E

IN RE: Application of Duke Energy Carolinas,)	
LLC for Adjustments in Electric Rate)	CERTIFICATE OF SERVICE
Schedules and Tariffs and Request for an)	
Accounting Order	_)	

This is to certify that I, Toni Hawkins, a paralegal with the law firm of Robinson Gray Stepp & Laffitte, LLC have this day served copies of **Duke Energy Carolinas**, LLC's Errata to the Application and Direct Testimony of Jon F. Kerin and Christopher M. Fallon in the foregoing matter via electronic mail as follows:

٨	ı		~ ~	~=	\sim	CL	:	.:
4	ı	exar	ıu	er	G.	ЭH	155	เลร

Email: alex@shissiaslawfirm.com

Becky Dover

Email: bdover@scconsumer.gov

Bess J DuRant

Email: bdurant@sowelldurant.com

C. Lessie Hammonds

Email: Ihammon@regstaff.sc.gov

Carri Grube - Lybarker

Email: clybarker@scconsumer.gov

Carrie M. Harris

Email: charris@spilmanlaw.com

Derrick Price Williamson

Email: dwilliamson@spilmanlaw.com

Jeffrey M Nelson

Email: jnelson@regstaff.sc.gov

Jenny R. Pittman

Email: jpittman@regstaff.sc.gov

Richard L. Whitt*

Email: RLwhitt@austinrogerspa.com

Scott Elliott*

Email: selliott@elliottlaw.us

Stephanie U. (Roberts) Eaton
Email: sroberts@spilmanlaw.com

Steven W. Hamm

Email: shamm@regstaff.sc.gov

Thadeus B Culley*

Email: thad@votesolar.org
Hasala Dharmawardena
Email: thad@votesolar.org
thad@votesolar.org
Hasala Dharmawardena
Emailto:thad@votesolar.org
thad@votesolar.org
thad@votesolar.org
thad@votesolar.org
thad@votesolar.org
thad@votesolar.org
<a href="mailto:th

Dated at Columbia, South Carolina this 18th day of January, 2019.

Doni C. Hawkins